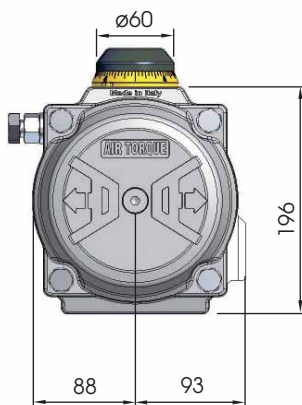
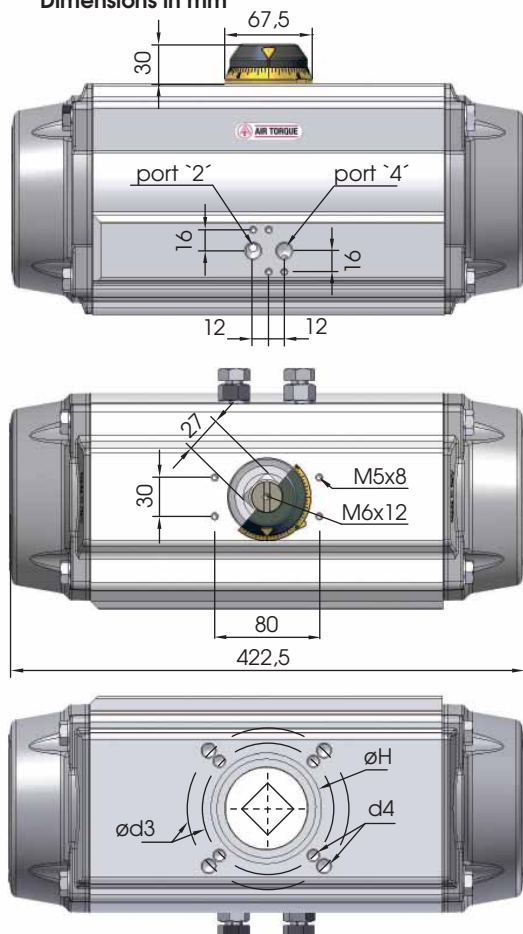
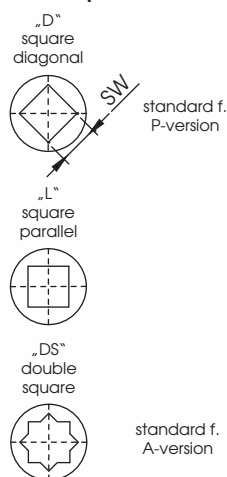


Dimensions in mm



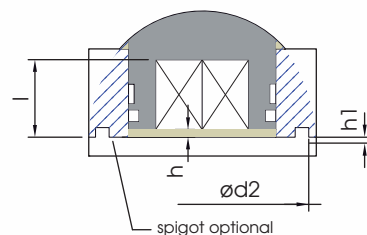
optional squares



ISO 5211 - available flanges

		Standard		optional
ISO 5211		F10* + F12		F12
Ø d2		70	-	85
d3		102	125	125
Ø d4		M10x15	M12x18	M12 x 18
Ø H		70		85
SW x l min.	D	-		22 x 40 - 27 x 29
	DS	27 x 40		27 x 40
h min.		1,5	1,5	1,5
h1		3	-	1,5

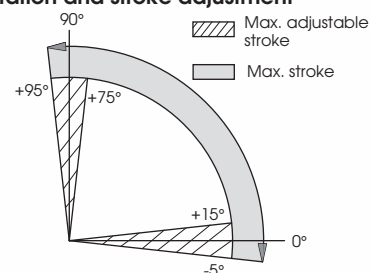
*before selecting the flange connection please consider the indications of standard n° 5211 on page 0911 of our manual for op. and maintenance



Connection / Attachment

Pressure connection Port 2 and 4	G1/4"
Ancillaries attachment	AA 2

Rotation and stroke adjustment



Pressure	Output torque for double acting and spring return in Nm												Spring torque 90° 0°	approx. weight in kg										
	2,5 bar		3 bar		3,5 bar		4 bar		4,2 bar		4,5 bar				5 bar		5,5 bar		6 bar		7 bar		8 bar	
	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°			0°	90°	0°	90°	0°	90°	0°	90°	0°	90°
DR	284		340		397		454		477		511		567		624		681		794		908		-	17,8

SC 2/3	171 118	228 174	285 231	342 288	364 310	398 344	455 401						166 112	19,3
SC 3	149 84,3	206 141	262 198	319 255	342 277	376 311	433 368	489 425					199 135	19,6
SC 3/4		183 108	240 165	297 221	319 244	353 278	410 335	467 391	524 448				233 157	19,9
SC 4			218 131	274 188	297 211	331 245	388 302	444 358	501 415	615 528			266 180	20,2
SC 4/5				252 155	275 178	309 212	365 268	422 325	479 382	592 495	706 609		299 202	20,5
SC 5						286 178	343 235	400 292	456 349	570 462	683 575		332 224	20,8
SC 5/6							320 202	377 259	434 315	547 429	661 542		365 247	21,1
SC 6								355 225	411 282	525 396	638 509		399 269	21,4

Pressure max.	Rotation (STD) (C)	Screw stroke adjustment	Chamber Ø (mm)	Air volume (l)		Moving time (sec.) (A)	
				OPEN	CLOSE	OPEN	CLOSE
8 bar	0° - 90°	for 1° 1/4 rotation	160	3,14	4,92	D 1,5 S 1,8	D 1,7 S 2,1

Operating Temperature (°C) (B)		
ST (Standard)	HT (High temperature)	LLT (Extreme low temperature)
- 40 to + 80	- 15 to + 150	- 55 to + 80

(A) The above indicated moving time of the actuator is obtained under the following test conditions: (1) room temperature, (2) actuator stroke 90°, (3) solenoid valve with Ø 4 mm and flow capacity Qn 400 L/min, (4) inside pipe Ø 8 mm, (5) medium clean air, (6) air supply pressure 5.5 bar (79.75 Psi), (7) actuator without external resistance load. **Caution:** It has to be expected, e.g. for field applications, when one or more of the above parameters are different, the moving time will be different.

Operating Medium:

The operating medium must be free of dust and oil. The maximum particle size must not exceed 30µ. (ISO 8573 Part1, Class5). In order to prevent water condensation and/or solidification (ice when actuator works below 0°C), the operating medium must have a dew point equal to -20°C or at least 10°C below the ambient temperature (ISO 8573 Part1, Class3)

(B) Every temperature range option requires proper components and lubricant. Please contact Air Torque GmbH.